



# **NAVSEA TMDE ACQUISITION Program**



# TMDE PROGRAM OBSTACLES

- Expired TMDE contracts
- No central clearinghouse for test equipment
  - ISEAs procuring own test equipment
  - Incomplete LCS
  - TYCOM/SPM model introduction
- Industry driven vs. performance requirements driven
- No systematic retirement plan
  - ORTEC un-funded
  - No communication between acquisition, technical, and allowancing



# TMDE PROGRAM OBSTACLES

## IMPACTS

- GPETE Acquisition Process not in sync with Prime System Acquisition
- Model/Equipment proliferation-Range/Depth
  - Example: 100mhz Oscilloscope/21 models/3541 units
- Schoolhouse/Shore infrastructure not in sync with shipboard configurations
- LCS cost not considered
- Deficiencies based acquisition vice planned requirements
- No supportability standardization



# TMDE (ED'S) TWELVE STEP PROGRAM

1. Drivers
2. Requirements Determination
3. Parametric/Performance Requirements
4. Industry Matrix
5. Allowancing
6. TMDE Specification
7. Calibration Support Plan
8. Procurement Contract Award
9. Financial Data
10. POM/PR Process
11. CINC Review
12. Procurement Execution



# 1. PROCESS DRIVERS

- RM&A
- Obsolescence
- Performance
- Proliferation
- DMS
- Cost of Support
- End of Production
- Prime System/Equipment Mods
- New Requirement
- Emergent and unplanned requirements



## 2. REQUIREMENTS DETERMINATION

- Lead: PHD/Support: Seal Beach/NWAS
- Determine Prime System/Equipment Measurement & performance requirements
  - Contact ISEAs/PARMS/Fleet
  - Review Technical Data Requirements (MRCs/TMs)
  - Information collected in database
  - Seal Beach Performance and Measurement D/B
  - NWAS-Calibration Support Plan by Measurement Discipline



### 3. PARAMETRIC/PERFORMANCE REQUIREMENTS

- Lead: PHD/SUPPORT: Sealbeach & NWAS
- Establish Logical Groupings
  - Inventory Review
  - Prime System (PS) Maintenance Requirement Grouping
  - Measurement Discipline (SCAT) Grouping
  - Document Relationship of PS to SCAT to Model
  - NWAS Develop Calibration Support Plan by Measurement Discipline



## 4. INDUSTRY MATRIX

- Lead: Seal Beach
- Technology
- Options
- Projected per unit costs
- Availability
- Production life



## 5. ALLOWANCING

- Lead: Earle/SUPPORT: PHD
- Number of installed Prime Systems/Equipment
- Location
- Periodicity of use
- Cost
- Portability
- Allowance Optimization



## 5A. ALLOWANCE OPTIMIZATION

- Lead: Earle/SUPPORT: PHD
- Consider SURFMER impact
- Review Essential PMS and Corrective Maintenance during deployment
- If frequency is greater than (6) months leave on Shore
- Greater use of floating loan pools
- Probability of requirement during deployment
- Mean time between failure of prime and support equipment
- Consider fixed allowance per class/platform



## 6. TMDE SPECIFICATION

- Lead: Seal Beach/Support: NWAS & PHD
- Measurement
- Performance
- ILS
  - Maintenance Planning
  - Training
  - Tech Data
  - Calibration Support



## 7. CALIBRATION SUPPORT PLAN

- Lead: NWAS/SUPPORT: PHD
- Supportability of measurement discipline
- Where to calibrate
- Number of standards to buy
- Cost to field
- ICP development/Initial Interval
- Training



## 8. PROCUREMENT CONTRACT AWARD

- Lead: NAVICP/SUPPORT: PHD
- Proposal evaluation
- Bid Sample Test
- Production Lot Testing
- Modifications
- Award



## 9. FINANCIAL DATA

- Lead: PHD/Support: All
- Range and Depth
- Data points
  - MOCC/MEASURE 21
  - CDMD-OA
- LCS costs and ROI



## 10. POM/PR PROCESS

- Lead: NAVSEA 04L52/SUPPORT: PHD
- CINC Review
- CINC prioritization and endorsement
- Sponsor submittals/briefs
- Control numbers established



## 11. CINC REVIEW

- Adjustments based on:
  - Controls
  - Changing priorities

## 12. PROCUREMENT EXECUTION

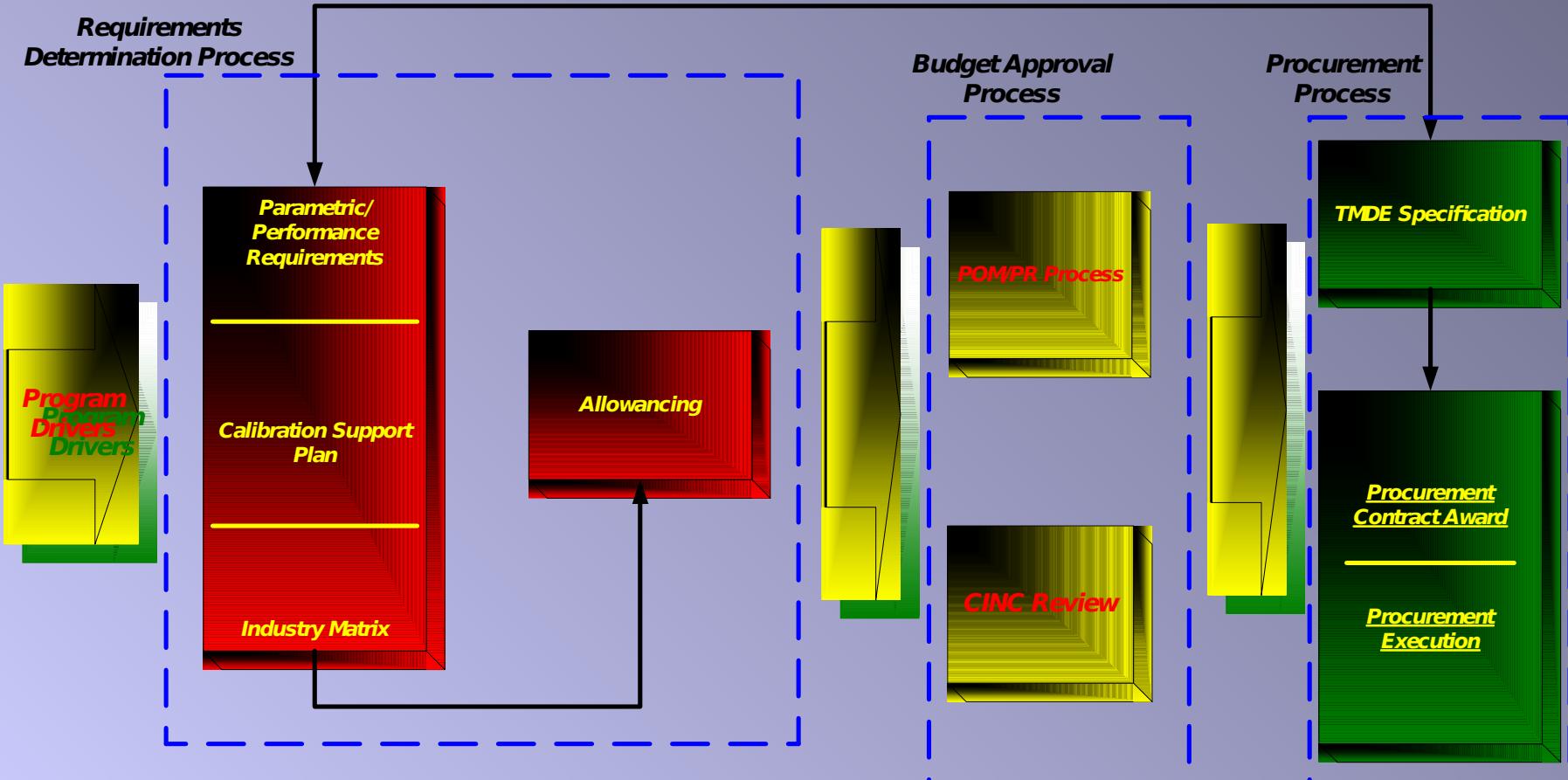
- Lead: PHD/SUPPORT: NAVICP
- Drop requisitions
- Deploy
- Support
- Retire old model

# PROCESS OVERVIEW

2/5/01

## NAVSEA TMDE Program

Acquisition Process



*The TMDE ISEA will complete  
standardization planning for the  
following families of GPETE in  
Calendar Year 2001*

- Oscilloscopes → 3/31/01
- Digital Multi-Meters → 6/31/01
- Counter Timers → 8/31/01
- Base Band Generators → 10/31/01
- Signal Generators → 12/31/01



# OSCILLOSCOPES STANDARDIZATION

## PHASE IN PLAN

- 100MHz - Inventory 3541 (SCAT 4308, Model 3012)

03 Replace Qty 1000

04 Replace Qty 1000

05 Replace Qty 1541

200MHz - Inventory 1030 (SCAT 4312, Model 199)

FY03 Replace Qty 300

FY04 Replace Qty 300

FY05 Replace Qty 430

500MHz - Inventory 232 (SCAT4314, Model 54825N)

FY01/02 Replace Qty 232



# BUDGET

- Current funding across FYDP
- Current requirements across FYDP
- POM, PR and CREI submittals



# TOTAL ASSET VISIBILITY

- Consolidation of CINCLANT assets at IOLANT
- NAVSEA owned shipyards and Activities load GPETE information into TAV
- Excess equipment is not:
  - awaiting immediate shipboard loading
  - used operationally
  - part of a rotational pool



# PROCESS BENEFITS

- Reductions in calibration, maintenance and repair costs (RCC hours)
- Transportation costs
- Reduction of required deck plate training hours as mitigated by fewer models
- Sailor man hour reductions (MRC card shipboard maintenance)
- Reduced ICP development, Calibration problem reports (CPRs), BSTs, Purchase Descriptions
- Lateral Re-distribution and procurement offsets through redistribution through the use of TAV
- Reductions in model (SCAT) numbers saves on engineering costs; Reduction in serial numbers saves on maintenance costs



# FLEET ASSISTANCE

- Request Fleet assistance:
  - identifying other opportunities for savings
  - incorporating model standardization plan
    - Standard deficiency submittal process
    - Support TMDE Budget re-dress process
    - Support optimizing allowances
  - prioritizing criteria for SCAT standardization



# Calibration Support Status

- ICP Development Status
  - ICP'S are being developed for 48 new model numbers, work is being performed in three phases:
    - Phase I - Completion Date 1 Feb 01 - 16 Items
    - Phase II - Completion Date 1 Aug 01 - 20 items
    - Phase III - Completion Date 30 Sept 01 - 12 items